

Application No.: 09/690,433

Docket No.: 22004-00003-US

LISTING OF CLAIMS WITH STATUS INDICATOR

Claims 1, 2, 6 and 15 are amended in this Amendment.

In the Claims

1. (currently amended) A connector for connecting a mother board to a plate-like electronic module with electrical conductive pads at an end part, comprising a housing and a first ventilation opening, wherein

the housing is mounted on the mother board and provided with a main body and a pair of arms,

the main body has one end adapted for electrical connection to the mother board and an opposite end adapted for electrical connection with the electrical conductive pads of the electronic module,

the pair of arms extend from the main body securing the electronic module above the mother board a predetermined distance when the electrical conductive pads of the electronic module are connected to the contacts,

the first ventilation opening is disposed under the main body and between a grouping of contacts adapted for electrical connection to the mother board to provide efficient cooling of the electronic module by allowing air to flow between the mother board and the electronic module and through the opening.

2. (currently amended) A connector according to claim 1, further comprising second ventilation openings, wherein the second ventilation openings are disposed under the pair of arms and [enable] provide efficient cooling of the electronic module by allowing air to flow between the mother board and the electronic module and through the opening.

3. (previously amended) A connector according to Claim 1, further comprising a rectifying member with an opening to take in air, wherein the rectifying member is installed at ends of said pair of arms to support an end part opposite to the connected end part of the electronic module.

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4. (previously amended) A connector according to Claim 1, further comprising a supporting member installed at ends of said pair of arms to support an end part opposite to the connected end part of the electronic module.

5. (previously amended) A connector according to Claim 2, wherein at least one of the second ventilation openings has a configuration to extend in opening toward outside.

6. (currently amended) A connector for connecting a mother board and a plate-like electronic module with electrical conductive pads at an end part, comprising a housing, a ventilation opening and wall members, wherein

the housing is mounted on the mother board and provided with a main body and a pair of arms, the wall members are provided under said pair of arms,

the main body has one end adapted for electrical connection to the mother board and an opposite end adapted for electrical connection with the electrical conductive pads of the electronic module,

the pair of arms extend from ends of the main body to secure the electronic module above the mother board a predetermined distance when the electrical conductive pads of the electronic module are connected to the contacts,

the ventilation opening is disposed under the main body and between a grouping of contacts adapted for electrical connection to the mother board to provide efficient cooling of the electronic module by allowing air to flow between the mother board and the electronic module and through the opening[,

the wall members are provided under said pair of arms].

7. (previously amended) A connector according to Claim 6, further comprising attachment portions positioned at front and rear portions of said pair of arms to interconnect pair of arms of two or more adjacent connectors.

8. (previously amended) A connector according to Claim 6, further comprising engaging portions positioned at front and rear portions of said pair of arms to interconnect pair of arms of two or more adjacent connectors.

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9. (previously amended) A connector according to Claim 7, further comprising an upper plate attached to a top surface of the pair of arms to provide a closed volume between the two adjacent connectors.

10. (previously amended) A connector according to Claim 6, further comprising a rectifying member with an opening to take in air, wherein the rectifying member is installed at ends of said pair of arms to support an end part opposite to the connected end part of the electronic module.

11. (previously amended) A connector according to Claim 6, wherein said contacts comprise front contacts and rear contacts extending downward from front and rear portions of said main body across said ventilation opening, and said front contacts and said rear contacts each have a streamline section toward an air flowing direction.

12. (previously amended) A connector according to Claim 6, wherein said contacts comprise front contacts and rear contacts and rear contacts extending downward from front and rear portions of said main body across said ventilation opening and are provided with closure members to close space between said front contacts and said rear contacts.

13. (previously amended) A connector according to Claim 6, wherein said contacts comprise front contacts and rear contacts extending downward from front and rear portions of said main body across said ventilation opening and dustproof members are provided for said front and rear contacts.

14. (previously amended) A connector according to Claim 13, wherein said dustproof members are partition members to permit separation between adjacent contacts with respect to each of said front contacts and rear contacts.

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15. (currently amended) A connector for connecting a mother board and a plate-like electronic module with electrical conductive pads at an end part, comprising a housing, ventilation openings and wall members, wherein

the housing is mounted on mother board and provided with a main body and a pair of arms, the wall members are provided under said pair of arms,

the main body has contacts of which one end is adapted for electrical connection to the mother board and an opposite end is adapted for electrical connection with the electrical conductive pad of the electronic module,

the pair of arms extend from ends of the main body to secure the electronic module above the mother board a predetermined distance when the electrical conductive pads of the electronic module are connected to the contacts,

the ventilation openings in the form of channels are disposed under the pair of arms and provide air to flow between the mother board and the electronic module[,

the wall member is provided under the main body].

16. (previously amended) A connector according to Claim 15, wherein at least one of the ventilation openings has a configuration to extend in opening toward outside.

17. (previously amended) A connector according to claim 15, further comprising a wall member to interconnect ends of said pair of arms.

18. (canceled)

19. (previously amended) A connector according to Claim 8, further comprising an upperplate attached to a surface of the pair of arms to provide a closed volume between the two adjacent connectors.

20. (previously amended) A connector according to Claim 6, wherein said contacts comprise front contacts and rear contacts extending downward from front and rear portions of said main body across said ventilation opening, and said front contacts and said rear contacts each have a streamline section toward an air flowing direction.

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21. (previously amended) A connector for connecting a mother board and a plate-like electronic module which has electrical conductive pads at one end of the connector, comprising: a housing with ventilation openings, the housing including a main body and a pair of arms, wherein the main body has contacts of which one end is adapted for electrical connection to the mother board and an opposite end is adapted for electrical connection with the electrical conductive pads of the electronic module, and the pair of arms extend from the main body to secure the electronic module above the mother board by a predetermined distance when the electrical conductive pads of the electronic module are connected to the contacts, the ventilation openings in [the] form of channels positioned under the pair of arms and provides air to flow between the mother board and the electronic module.

22. (previously added) A connector according to Claim 21, further comprising a rectifying member with an opening to take in air, wherein the rectifying member is installed at ends of said pair of arms to support an end part opposite to the connected end part of the electronic module.

23. (previously added) A connector according to Claim 21, further comprising a supporting member installed at ends of said pair of arms to support an end part opposite to the connected end part of the electronic module.

24. (previously added) A connector according to Claim 21, wherein at least one of the ventilation openings has a configuration that is wider at an external surface.